

Due Diligence Final Review of Pre-Applications

As of April 1, 2009

IPF Project #	Project Title	Applicant	Approach	Funding Requested \$	\$ Match	Due Diligence Review
February						
08-02-1001	Iowa Home Energy Education Project (IHEED)	University of Northern Iowa	Project Addresses residential energy efficiency education.	\$568,036	\$50,000	No
08-02-1002	COSC/Cenergy HVAC Performance Training Program	Center on Sustainable Communities	Project would be a series of trainings for HVAC professionals, as well as some residential studies.	\$1,000,000	\$148,800	No but
08-02-1003	Biodiesel Plant at Marcus using PEF Pellet Boiler	Soy Energy LLC	Project would partially fund a pellet boiler for a biodiesel plant.	\$3,431,829	\$41,992,460	Yes if
08-02-1004	House Calls Energy Efficiency Project	Cedar Falls Utilities	Project addresses residential energy efficiency education.	\$740,000	\$874,400	No but
08-02-1005	Renewable Fuel Boiler Initiative	Cherokee Mental Health Institute	Project would partially fund a pellet boiler for a state facility.	\$1,250,000	\$400,000	No but
08-02-1006	Reducing the Energy and Environmental Costs of Drying Corn Distillers Grain	Cellencor Inc.	Project seeks to improve energy efficiency of drying wet distillers grains with microwave technology.	\$1,500,000	\$500,000	Yes if
08-02-1007	Clean Gasification Platform for Renewable Power, Energy, and Ethanol from Biomass	Iowa State University	Project seeks to improve the energy output of an ethanol plant through biomass gasification.	\$2,370,000	\$854,047	Yes if
08-02-1008	Sustainable and Clean energy for the 21st Century and Beyond: A Novel Concept Utilizing Low Grade Heat	Iowa State University	Project would harvest energy from existing environmental thermal differences.	\$200,000	\$6,000	Yes if
08-02-1009	Workforce Development for National Energy Leadership in Iowa	Iowa State University	Project would seek to develop more engineers in Iowa's workforce.	\$1,388,000	\$500,000	No

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08-02-1010	The Design and Construction of a Zero Net Energy LEED Platinum Residential Demonstration Project, the Research of Radiant Cooling Utilizing Rainwater, and the Development and Statewide Implementation of a comprehensive Training curriculum and Certification	AJK Design Inc.	Project is to develop an energy efficient model home.	\$439,350	\$156,267	No but
08-02-1011	Environmental Education 4 Power	University of Northern Iowa	This project would evaluate existing environmental education.	\$426,263	\$50,000	No
08-02-1012	Integrated Efficiencies - Renovating an Historic Maxed-Use Masonry Building as a Case Study for Applied Best Practices	Indigo Dawn, LLC	Project is to develop a multi-purpose construction rehab in an environmentally friendly way.	\$175,000	\$187,838	No but
08-02-1013	Dubuque Warehouse Energy Efficiency Zone	City of Dubuque	Proposal is to rehab 28 buildings in a warehouse district in Dubuque to energy efficient standards.	\$15,000,000	\$699,562	No
08-02-1014	Pyrolysis: dirty Coal to Energy Independence	University of Northern Iowa	Project seeks to turn Iowa coal into #2 diesel through pyrolysis.	\$472,271	\$475,000	No
08-02-1015	Independent Empirical Benefit Determination for Residential Consumers, Utilities, and Electrical Distribution Grids by the use of Wastewater Thermal Energy Scavenging Devices	Ned A. Shepherd, PE CEM	Project seeks to recover waste water heat off of residential systems.	\$130,000	\$56,000	No but
08-02-1016	Carbon Capturing Crops for Iowa	Iowa State University	Project seeks to sequester carbon in Iowa crops.	\$169,123	\$25,000	No
08-02-1017	Development of Fusarium ear and stalk rot resistance in corn	University of Northern Iowa	Project seeks to enable researchers to investigate the damages that the Fusarium fungal genus causes to crops.	\$238,444	\$0	No

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08-02-1018	Unlimited Access-State of Iowa	Des Moines Area Regional Transit Authority	Project requests funds to allow open ridership to State of Iowa employees in Des Moines.	\$50,000	\$0	No
08-02-1019	Development of Energy Efficient Industrial Drying technology	Shivvers Drying Technologies, LLC	Project seeks funding for a corn drying technology.	\$1,650,000	\$1,496,000	No but
08-02-1020	Hybrid Electric Public Transit bus Demonstration Project	Consortium of Iowa Urban Public Transit Systems	Public transit consortium project seeks 12 hybrid buses for demo/research.	\$6,148,200	\$676,800	No
08-02-1021	Screening Technology Scale Up for Selection of Energy Crop breeding Stock with Superior Trait Expression	MTEC Bio Analytics	Projects requests funds to research and develop new means at breeding plants.	\$250,000	\$1,245,000	No
08-02-1022	Improving the Efficiency of Nitrogen Utilization in Iowa:Biological Fixation of Atmospheric Nitrogen	Iowa Corn Growers Association (ICGA)	Project seeks funds to utilize atmospheric nitrogen in biological fixation.	\$2,200,000	\$1,089,254	No
08-02-1023	Improving the Efficiency of Nitrogen Utilization in Iowa:Improving Nitrogen Use Efficiency through Biochemical Optimization	Iowa Corn Growers Association (ICGA)	Projects seek funds to improve efficiency of nitrogen utilization in Iowa crops.	\$5,700,000	\$4,314,000	No
08-02-1024	Reaction Kinetics and Dynamics in Combustion Systems	University of Northern Iowa	Project requests funds to allow study of the chemical and physical reactions of small molecules, especially concerned with combustion processess.	\$175,556	\$60,000	No
08-02-1025	Potential Use of Biofuels Co-products in Food Application	Novecta, LLC	Project would like funds to identify products from existing and next generation grain ethanol plants.	\$61,160		No
08-02-1026	Distiller's Grain Research Proposal	Novecta, LLC	Would like funds to research the effects of using distiller's grains on livestock.	\$256,200	\$252,000	No
08-02-1027	Standardizing the Carbon Credit industry	Novecta, LLC	Is seeking funds to research how to standardize the carbon credit industry in hopes of adopting conservation practices.	\$66,000	\$86,000	No

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08-02-1028	Commercial installation of a Clean Biomass Gasification System for Industrial Energy	General Mills Operations, Inc.	Project seeks funding to commercialize Frontline's biomass boiler.	\$4,000,000	\$16,345,000	No
08-02-1029	RinAlliance	Petroleum Marketers and Convenience Stores of Iowa	Project seeking funds for their RinAlliance to research the blending of fuels.	\$616,000	\$290,000	No
08-02-1030	Energy Efficiency and Renewable Energy Production	Luther College	Project would like funds to make their facilities more energy efficient and renewable energy generation.	\$160,000	\$0	No
08-02-1031	Technology for Optimizing Iowa Crops to Meet the Challenge of Supplying Both the Energy and Food needs of the Nation	Iowa State University	Project seeking funds to optimize Iowa crops for supplying both energy and food.	\$2,673,316	\$860,619	No but
08-02-1032	Transforming Iowa to be Feedstock Ready:Harvest, Storage, & Transportation Systems	Iowa State University	Project requests funds for researching the harvest, storage and transportation of agricultural products.	\$2,045,758	\$1,382,405	No
08-02-1033	Greenhouse Gas Emission Reduction for Iowa Small Business	University of Northern Iowa	Project sought to show small Iowa businesses how to reduce GHG emissions.	\$887,333	\$0	No
08-02-1034	e-Tec:Energy Technology Education Challenge	William Penn University	Project seeking funds for their Energy Technology Education Challenge.	\$132,012	\$24,354	No but
08-02-1035	Expanding Iowa's Renewable Energy Market	Iowa Renewable Energy Association (I-Renew)	Seeking funds for the I-Renew project.	\$200,000	\$151,000	No but
08-02-1036	Maharishi Vedic City Renewable Energy Park and Learning center	Maharishi Vedic City	Seeking funds to build a Renewable Energy Park and Learning Center.	\$3,690,000	\$30,000	No
08-02-1037	Waste Heat Recovery on Lime Stone Dryer	ILC Resources	Project would be a waste heat recovery with a lime stone dryer.	\$148,500	\$150,000	No but
08-02-1038	Annual Iowa Energy Poll	University of Northern Iowa	Project would gauge Iowans attitudes towards energy.	\$51,456	\$0	Yes if
08-02-1039	Whole Town Energy Audit Pilot project	Iowa Association of Municipal Utilities	Project would be a Whole Town Energy Audit Pilot Project.	\$100,000	\$56,000	No but

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08-02-1040	Mobile Solid Biomass Briquette Plant	RENEW Energy Systems	Project seeking funds to build a Mobile Solid Biomass Briquette Plant to reduce transportation costs for harvesting biomass.	\$600,000	\$382,500	Yes if
08-02-1041	Determining Maximum Sustainable Production of Biomass with Mixture of Prairie Species	University of Northern Iowa	Seeking funding to determine the maximum sustainable production of biomass with mixture of prairie species.	\$612,300	\$136,000	Yes
08-02-1042	Expanding the Employee Pool: Wind and Biofuels Industries	Iowa Lakes Community College	Project would like funds to expand their education program on wind and biofuels.	\$449,611	\$448,000	No
08-02-1043	Green Plains Renewable Energy Inc. Algae Project	Green Plains Renewable Energy Inc.	Requests funds to research a small scale algae farm.	\$2,190,407	\$613,437	Yes if
08-02-1044	Ethanol Pilot Plant/Laboratory Construction & Research/Training Program Development	Indian Hills Community College	Would like funding to build a program, and help research, in the development of new employees for ethanol labs.	\$3,850,000	\$0	No
08-02-1045	POET Project Liberty	POET Project Liberty, LLC	Project would be a commercial size cellulosic ethanol bio-refinery.	\$20,000,000	\$165,700,000	Yes if
08-02-1046	Vertical Wind Turbine Manufacturer	Carbon-Free Energy, LLC	Project would fund a start-up vertical wind turbine manufacturer.	\$250,000	\$250,000	Yes if
08-02-1047	Renewable Energy Center	Kraft Foods	Would like to build their own energy park to show consumers how to reduce their own usage.	\$600,000	\$1,750,000	No
08-02-1048	Renewable Industrial Park	Michael Foods	Project would build a Renewable Industrial Park to explore waste as resource to reduce use of oil.	\$1,000,000	\$2,000,000	No
08-02-1049	Wind Project	Montezuma Light & Power	Project would install a small wind turbine in a low wind area.	\$600,000	\$600,000	No
08-02-1050	Corn Fractionation	Pine Lake Corn Processors	Project would add a corn fractionation project to their plant in Steamboat Rock, Iowa.	\$8,500,000	\$16,500,000	No but

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08-02-1051	2+-215-5483	University of Northern Iowa	Project would be a UV-Curable Ink Formulation based on soy oil.	\$307,701	\$0	No
08-02-1052	Harvesting Iowa Prairie Plants for Industrially Useful Compounds	University of Northern Iowa	Project would research crops currently not used in the production of energy.	\$128,888	\$0	No
08-02-1053	Development of Less Expensive Dye Sensitized Solar Cells	University of Northern Iowa	The project would research the development of a dye sensitized solar cell.	\$78,681	\$18,600	Yes if
08-02-1054	Prairies: Iowa's Energy Source	University of Northern Iowa	Project would engage K-12 teachers about Iowa's prairie and it's link to energy.	\$122,184	\$59,382	No
08-02-1055	The Cornerstone BRAD, LLC and Bison Renewable Energy, LLC	Bison Renewable Energy	Project would build the first commercial grade anaerobic digester system.	\$7,500,000	\$38,640,764	Yes if
08-02-1056	SRIYA Biorefinery	Sriya Innovations, Inc.	Project would allow the conversion of any biomass into bio-fuel.	\$25,000,000	\$24,850,000	No but
08-02-1057	VeraSun	VeraSun Fort Dodge, LLC	Project would test a corn oil extraction method.	\$3,000,000	\$32,000,000	No but
08-02-1058	River/Gulf Energy	River/Gulf Energy, LLC.	Project seeks funds to build an 11 million gallon per year ethanol production facility.	\$16,900,000	\$16,900,000	No but
08-02-1059	Iowa Stored Energy Park	Iowa Stored Energy Plant Agency	Project seeks funds to drill two test wells to perform testing of the Dallas Center's aquifer's porosity, permeability and other characteristics.	\$3,200,000	\$1,070,000	Yes If
08-02-1060	Adding Value to Biomass Co-Products in the Biorefinery Supply Chain	West Central Cooperative	Project will commercialize the new and enhanced applications for biomass co-products of the renewable fuel production process.	\$829,500	\$834,200	Yes if
08-02-1061	Corn Oil Extraction and Biodiesel	GS Global Biodiesel, LLC	Project would build and operate a corn oil extraction and biodiesel production from their current facilities in Iowa and Michigan.	\$0	\$35,200,000	No

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08-02-1062	Clean Air Choice Rewards Program	American Lung Association of the Upper Midwest d.b.a American Lung Association of Iowa	Project would implement a biofuels education and use program.	\$440,000	\$310,000	No but
08-02-1063	Solar Photovoltaic System for the Residential Site	Farmers Electric Cooperative	Funding would help develop a program to implement tangible renewable energy and conservation resources at the residential site.	\$1,092,000	\$650,670	No but
08-02-1064	2008 Biobased Industry Outlook Conference	Iowa State University	Funding would help with the costs of the 2008 Biobased Industry Outlook Conference.	\$12,500	\$325,000	Yes if
08-02-1065	Glenwood Wind Turbine	Glenwood Community School	Would like funding to construct a wind turbine to power the new school.	\$400,000	\$501,540	No
08-02-1066	Characterization and Application of Fast Pyrolysis Co-Products	Iowa State University	Is seeking funds to develop bio-based products from fast pyrolysis of biomass.	\$2,133,260	\$102,033	No
08-02-1067	Wind Energy Concept Evaluation System	DISTek Integration, Inc.	Funds would help develop a project to evaluate new ideas for improving energy efficiency of wind power.	\$2,280,100	\$5,700,000	No but
08-02-1068	Biomass Feedstock Production Systems	Iowa State University		\$2,150,224	\$741,448	No but
08-02-1069	High-throughput Evaluations of Feedstocks for Biofuels Production	Iowa State University	Project requests funds to develop a variety of high throughput screening capabilities for assessing sustainable biofuels production.	\$2,167,789	\$710,929	No but
08-02-1070	Advanced Corn and Soybean Biorefineries	Iowa State University	Project seeks funds to develop three new technologies to advance corn and soybean biorefineries.	\$2,230,732	\$877,657	No but
08-02-1071	Photovoltaic Array System Proposal	The University of Iowa	Project would install 290KW solar panels at U of I.	\$1,800,000	\$1,800,000	No

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08-02-1072	Oakdale Renewable Energy Plant	The University of Iowa	Project would install two engine generators and a biogas pipeline at the Oakdale Campus at U of I.	\$4,000,000	\$19,000,000	No but
08-02-1073	Efficient, low cost, photovoltaic solar energy conversion	Iowa State University of Science & Technology	Project requests funds to develop an efficient, low cost, photovoltaic solar energy conversion process.	\$1,690,024	\$105,000	Yes if
08-02-1074	Expanded Powerline Program	Northwest Iowa Community College	Project is seeking funds to expand their powerline training program.	\$550,000	\$183,367	No
08-02-1075	Wind Turbine for Low Wind Speeds	Wilfred Yeggy	Seeking funds to develop a low speed wind turbine.	\$13,500	\$0	No
08-02-1076	Powerfilm, Inc. Technology Improvements and Building Integrated Solar Product Commercialization	PowerFilm, Inc.	Project would like funds to make further improvements to their low cost manufacturing process of thin film on plastic solar panels.	\$2,000,000	\$38,600,000	No
08-02-1077 See RA** 08-04-1123	Biodiesel Alternative Feedstock Research Center	Renewable Energy Group (REG)	Seeking funds to develop a Biodiesel Research and Development Center.	\$740,000	\$745,000	Yes, if
08-02-1078 See RA** (1110)	Amaizing Energy Fractionation Project	Amaizing Energy Holding Company, LLC	Seeking funds to bring new corn fractionation technology to commercialization.	\$1,651,000	\$482,500	Not applicable, see RA** 1110
08-02-1079	TPI Wind Blade Advanced Manufacturing Initiative	TPI Iowa LLC	Is seeking funds to streamline the wind manufacturing industry for production of wind turbines.	\$2,100,000	\$2,100,000	No but
March						
08-03-1080	Collaboration--Muscatine	Muscatine Comm. School District	The project would be to purchase FOSS kits to promote energy efficiency measures.	\$359,238	\$359,238	No but
08-03-1081	Promoting Energy Independence in Iowa	Vernon Research Group	Project seeks to determine most effective way to market energy efficiency ideas.	\$266,640	\$0	No

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08-03-1082	Climate Change Education and Empowering Citizens through Positive Actions	University of Northern Iowa	Project would like funds for research in gaining perspective on Iowan's attitudes on climate change.	\$1,121,936	\$905,652	No, but
08-03-1083	Collaboration--Muscatine	Safe Streets	Project is for the creation of a process to reduce energy consumption while building knowledge and skills.	\$329,000	\$0	No but
08-03-1084	Making Iowa Cities Sustainable: The Fairfield Model for Energy Security and Economic Vitality	City of Fairfield	Seeks funds to conduct a community-wide strategic "green" plan.	\$97,000	\$19,700	Yes if
08-03-1084RA**	Making Iowa Cities Sustainable: The Fairfield Model for Energy Security and Economic Vitality	City of Fairfield	Seeks funds to conduct a community-wide strategic "green" plan.	\$97,000	\$12,000	Yes IF
08-03-1085, w/RA** 08-04-1122	Sensible Energy Road Show	Consumers Energy	Project would be a display on energy efficiency taken to fairs around the state.	\$65,000	\$45,000	Yes if
08-03-1086	Commercialization Center	Quad Count Corn Processors Cooperative	Project would like funds to create a center to deal with energy efficiency issues/ideas.	\$1,800,000	\$300,000	No
08-03-1087	Sustainable City Solutions	Sustainable City Solutions Co.	Project seeking funds to develop an integrated website and software application to monitor community EE programs.	\$257,360	\$14,700	No, but
08-03-1087 RA**	Sustainable City Solutions	Sustainable City Solutions Co.	Project seeking funds to develop an integrated website and software application to monitor community EE programs.	\$237,900	\$16,900	Yes
08-03-1088	Collaboration--Muscatine	Muscatine Power and Water (MP&W)	Project would like funds to pilot Residential Energy Audits.	\$1,549,500	\$4,859,050	No
08-03-1089	Schools for Energy Efficiency Program in Iowa	The Krell Institute, Inc.	Project seeks funds to engage Iowa school districts to achieve energy efficiency.	\$487,167	\$39,150	No but

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08-03-1090	Collaboration--Muscatine	Muscatine Comm. School District	Project would like funding to evaluate the school district's current HVAC system.	\$1,000,000	\$1,138,400	No
08-03-1091	Cornstalk Based Fast Pyrolysis	Heartland Bioenergy, LLC	Project seeks funding to build and operate a biomass biorefinery.	\$200,000	\$200,000	No
08-03-1092	Bio-Mass Boiler Fueled with Process Engineered Fuel Pellets	Quad County Corn Processors Cooperative	Would like funding for pellet equipment and installation of a bio-mass boiler.	\$4,000,000	\$190,000	No but
08-03-1093	Corn Cob Harvesting Technology -- "Cob Caddy"	Vermeer Corporation	Seeking funding to develop a corn cob harvester.	\$500,000	\$800,000	No
08-03-1094	Iowa Algae Bioreactor Implementation	Maharishi University of Management	Project is for the creation of an algae based bioreactor with a component for an education center.	\$2,008,001	\$913,320	Yes if
08-03-1095	Using sugar based energy crops to produce ethanol	Heartland Renewable Energy, LLC and HRE Plant One	Projects seeks to establish sugar beets as a feedstock for ethanol development.	\$650,000	\$29,610,000	No but
08-03-1095 RA**	Using sugar based energy crops to produce ethanol	Heartland Renewable Energy, LLC and HRE Plant One	Projects seeks to establish sugar beets as a feedstock for ethanol development.	\$650,000	\$30,000,000	No
08-03-1096	Resolution to Biofuel Stability	Iowa State University	Project seeks funds to develop antioxidant systems to maximise biodiesel storage and performance.	\$782,964	\$266,788	No
08-03-1097	Switchgrass	Prairie Land Enterprises L.C.	Funding for project would help develop commercial market for switchgrass in Iowa.	\$500,000	\$490,000	Yes if
08-03-1098	Creation of Novel Hydrogen Storage Materials for Fuel Cell Application	University of Northern Iowa	Project seeks funding to assist with energy storage materials development for hydrogen.	\$400,000	\$76,000	Yes if
08-03-1099	ASR recycling -- Recovery and conversion of auto shredder fluff and shredded tires	Renewable Energy Resources Acquisition Company LLC	Project seeks to use microwave frequencies to extract energy from waste material.	\$235,000	\$70,000	No but
08-03-1100	Quaker Oats Cedar Rapids Biomass Project	Quaker Manufacturing, LLC	Project is a biomass energy conversion process.	\$14,350,000	\$0	No

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08-03-1101	Prime Geo-Energy #1	Prime-Fallesen Development, LLC	Project would promote deep well geothermal power generation equipment and installations.	\$6,000,000	\$27,000,000	No but
08-03-1102	The Hybrid Power Center	Hybrid Power Center LLC	Project seeks to create a combination coal/nuclear power center for power generation.	\$500,000	\$160,000	No but
08-03-1103	Amana Renewable Energy Project	Amana Farms, Inc.	Project seeks funding to build an anaerobic digester and education center.	\$1,158,000	\$4,605,807	No but
08-03-1104	PES Biomass Dryer	Practical Environmental Solutions	Seeking funding to develop a biomass dryer for wood waste.	\$165,000	\$151,000	No but
08-03-1105	Homeland Energy Solutions Gasification Energy Center	Homeland Energy Solutions, LLC	Project seeks funding to develop a coal gasification model.	\$8,000,000	\$187,957,772	No
08-03-1106	BEST BioDiesel Mason City	BEST Energies, Inc.	Project seeks to increase biofuel production by using 100% non-food grade by-product crude corn oil.	\$3,000,000	\$22,900,000	No but
08-03-1107	Collaboration--Muscatine	HNI Corporation	Seeking funding to install a geo-exchange ultra efficient control system.	\$5,290,000	\$10,170,000	No
08-03-1108	Innovative Drying Hub	Drying Solutions Inc.	Project seeks funds to develop a drying center for utilization of co-products.	\$1,000,000	\$1,910,000	No but
08-03-1109	Utilizing Glycerol in Swine and Poultry	Novecta LLC	Project would research the effects of using glycerol for swine and poultry to help the biofuels industry.	\$66,550	\$31,000	Yes if

April

08-04-1110 RA** for 1078	Amaizing Energy Innovative Technology Project	Amaizing Energy Holding Company LLC	Seeking funds to bring new corn fractionation technology to commercialization.	\$460,500	\$764,500	Yes
08-04-1111	Natures Furnace	Natures Furnace Inc.	Project seeks funding to aide development of an alternative use of waste streams.	\$825,000	\$825,000	No
08-04-1113	SRIYA Iowa Biorefinery Pilot Plant	Sriya Innovations Inc.	Funding would go towards building pilot biorefinery plant.	\$5,000,000	\$5,500,000	No

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08-04-1114	Prime Geo Energy #1	Prime-Fallesen Development LLC	Project funding would help construct facilities for deep well geothermal power generation.	\$6,000,000	\$38,000,000	Supplement Needed
08-04-1115	ASR Recycling	Renewable Energy Resources Acquisition Company LLC	Seeking funding for recovery and conversion of auto shredder fluff and shredded tires.	\$235,000	\$70,000	No, but
08-04-1116	Green & Main	Indigo Dawn, LLC	Project would be a case study for Iowa's first LEED Platinum rehabbed building.	\$225,000	\$868,400	Yes if
08-04-1117	Ames Transit: System Wide Fare Free	Ames Transit Agency	Project funds would allow free public transit to anyone in Ames.	\$3,935,955	\$22,499,629	No
08-04-1118	Arbor Valley Lake: Geo Exchange and Wind Turbine Applications	JHL Properties LLC	Project funds would assist with sustainable design standard including energy conservation.	\$210,000	\$50,000	No
08-04-1119	Photovoltaic Roofing Project	Mount Vernon Community School District	Funding would upgrade solar technology for the school district.	\$200,000	\$1,363,800	No
08-04-1120	I-Renew Energy & Sustainability EXPO	I-Renew	Resubmitted project to expand annual energy expo.	\$41,000	\$52,000	Yes if
08-04-1121	Freedom Fertilizer	Freedom Fertilizer LLC.	Project funds would explore the use of ammonia as a farm fuel.	\$200,000	\$175,000	No
08-03-1085, w/RA** 08-04-1122	Sensible Energy Road Show	Consumers Energy	Project would be a display on energy efficiency taken to fairs around the state.	\$65,000	\$45,000	Yes if
08-04-1123 (RA** for 08-02-1077)	Biodiesel Research Center	Renewable Energy Group Inc.	Project seeks funding to research feedstock to help develop pricing models.	\$740,000	\$1,374,000	Yes if
08-04-1124	TPI Wind Blade Advance Manufacturing Initiative	TPI Iowa LLC	Seeking funding to improve product quality.	\$2,100,000	\$2,100,000	No
May						
08-05-1125	Mad Science of Iowa	Tall prairie Inc.	Project seeks funds to promote science education outreach.	\$241,200	\$0	No
08-05-1126	Improvement of Starch Extraction to enhance Ethanol Processing	Michael A. Madson PhD	Project funding would assist the production of corn ethanol.	\$600,000	\$0	No

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08-05-1127	Water Powered Renewable Energy	John Wesley Sheldon	Seeking funding to research efficient means to convert water energy onto the grid system.	\$250,000	\$0	No
08-05-1128	Integrated Renewable Hydrogen production with Fuel Cell Powered Forklift Truck Fleet	ePower Synergies Inc.	Project funds would allow hydrogen production for the use of fuel cell powered forklifts.	\$1,540,000	\$200,000	No
08-05-1129	Iowa Alliance for Wind Innovation and Novel Development (IAWIND)	University of Iowa	Funding would assist research and training and to scope testing facilities.	\$3,000,000	\$2,250,000	No, but
08-05-1130	Bio Energy Co-Products/stover as pelletized feeds	Schechinger Cattle & Sales, LLC	Project's purpose is to research livestock feed made from co-products from biofuels production.	\$32,000	\$38,500	No, but
08-05-1131	Imagining Tomorrow: An Energy Independent Iowa	The Foresight Project	Funding is to implement web-based education program in Iowa high schools.	\$175,000	\$25,000	No
08-05-1131 RA**	Imagining Tomorrow: An Energy Independent Iowa	The Foresight Project	Funding is to implement web-based education program in Iowa high schools.	\$100,000	\$25,000	No
08-05-1132	Campaign RePlant, ReNew: Millions of Trees, Billions of Benefits	Trees Forever Inc.	Seeking funds to launch large scale tree planting campaign.	\$1,701,000	\$869,085	No
08-05-1134	Biomass Renovation	Batey, Ltd.	Project seeking funds to showcase and market biomass gasifier furnace.	\$244,500	LOC	No
08-05-1135	Technochem Biorefinery Campus	Technochem International Inc.	Funding would be utilized for building a biorefinery campus.	\$2,000,000	\$6,000,000	No
June						
08-06-1136	Farms to Fuel	Amana Farms, Inc.	Project seeks funding to build an anaerobic digester.	\$1,168,000	\$3,355,808	Table
08-06-1137	Development of Micro Wind Turbines with the WAND technology for Significant Energy Enhancement	Xinwei Wang, Ph.D., LeapTek, LLC	Funding would assist the development of new wind turbine technology.	\$100,000	\$10,000	Yes, if

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08-06-1138	Iowa Gird: Open-source infrastructure for time-of-day and location-based electric power trading	Iowa State University	Funding would assist development of an integrated energy management controller.	\$100,000	\$70,000	No
08-06-1139	DDC Ethanol--Cellulosic Ethanol Commercialization	DuPont Danisco Cellulosic Ethanol	Project is to construct and operate a cellulosic ethanol pilot plant.	\$10,000,000	\$14,000,000	Yes, if

July

08-07-1140	Heartland Energy Solutions 100/200 kw wind turbine	Heartland Energy Solutions, LLC	Funding would assist the design and commercialization of wind turbine generators.	\$800,000	\$540,000	No, but
08-07-1141	DPI Project Proof-of-Concept Engineering and Bench Test	Dolphin Power Industries, Inc.	Project is proof-of-concept for stored energy.	\$3,747,000	\$3,250,000	No
08-07-1142	Increasing the use of distillers grains in livestock diets: Decreasing the impact of insoluble fiber, antibiotics, and sulfate in swine, poultry, and cattle diets	Iowa State University	Project seeking funds for distillers grains feeding studies for swine, poultry and cattle.	\$399,995	\$117,613	Yes
08-07-1143	Winneshiek Energy District	Andrew Johnson	Funding would assist in the formation and operation of an Energy District.	\$1,391,540	\$414,000	No

August

08-08-1144(A)	Energy Efficient Rebuild for Iowa	Iowa Department of Economic Development	Project seeks funding to create an Iowa Green Corps focused on energy efficiency and conservation education.	\$450,000	\$1,718,955	Yes
08-08-1144(B)	Energy Efficient Rebuild for Iowa	Iowa Department of Economic Development	Project would fund a long-term strategy to energy efficiency and green building practices.	\$835,000	\$715,000	Tabled
08-08-1145	Plug-in Electric Hybrid (PHEV)	Consumers Energy Cooperative	Funding would assist electrical retrofits of hybrid electric vehicles for standard outlets.	\$19,000	\$81,205	Yes
08-08-1146	Planergy Waterloo Digester CO2 Removal Effort	Planergy Waterloo LLC	Seeking funds to develop process of co2 capture and resale.	\$1,100,000	\$400,000	No

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08-08-1147	Energy Efficient Window	Pella Corporation	Funding for research and development to improve thermal windows.	\$2,250,000	\$5,100,000	No
08-08-1148	Corn Oil Bio-Solutions, LLC	Corn Oil Bio-Solutions, LLC	Project funding to prove process technology for biofuels development.	\$1,500,000	\$12,742,500	No But
September						
08-09-1149	Biomass Heat & Power Cogeneration Grain Dryer	Paradigm Research Corp	Funding would assist in demonstration of cogeneration grain dryer.	\$91,400	\$24,000	No
08-09-1150	Evaluation of Hybrid-Electric Commercial Vehicles in Iowa	O'Halloran International, Inc.	Seeking funding to evaluate hybrid-electric commercial trucks.	\$1,087,512	\$1,826,000	No
08-09-1151	Brilliant Battery Development	Bill Todorof	Project seeks to research increasing battery capacity.	\$750,000	\$750,000	No
08-09-1152	Blue85	William Todorof	Project would fund production of a gearless wind turbine.	\$502,250		No
October						
08-10-1153	Streetlight Innovation Project	Denison Municipal Utilities	Seeking funds to replace streetlights with LED lamps.	\$40,012	\$16,733	No
08-10-1154	Training Curriculum and Certification Program for IA Green Building Professionals	AJK Design Inc.	Project seeks funding to create trained green building professionals for residential and small commercial projects.	\$220,750	\$253,313	No
08-10-1155	Hybrid Power Center - Geothermal -Natural Gas Integrated Thermal Cycle	Hybrid Power Centers, LLC	Project for an integrated hybrid steam cycle process.	\$200,000	\$171,200	Yes If
08-10-1156	Iowa Agricultural Energy Efficiency Program	EnSave, Inc.	Seeking funding for program to deliver energy efficiency technical assistance to agricultural producers.	\$3,421,303	\$6,001,000	No
November						
08-11-1157	Lake Delhi ReNew Project	Lake Delhi Recreation Association	Seeking funding to refurbish a decommissioned dam.	\$1,500,000	\$1,134,000	No but
08-11-1158	Distillers Grains Research Proposal	Novecta LLC	Funding would be for project that will focus on DDGs from	\$210,000	\$252,000	Yes if

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08-11-1159	Glycerine and cellulosic sugars to single cell oil	Iowa State University	Project funding would use ISU patented yeast that would convert its mass from glycerol into oil.	\$1,746,058	\$590,573	Yes if
08-11-1160	Learning the Right Application for Commercial Hybrid Electric Vehicles: First Utility Bucket Truck in Iowa	O'Halloran International, Inc.	Project would focus on utility trucks in Iowa to demonstrate the effectiveness of the technology.	\$109,483	\$191,250	No
December						
08-12-1161	Superior Wind/Lakota Wind - Wind to Ethanol Renewable Energy Projects	Iowa Lakes Electric Cooperative	Funding would be used to install several wind turbines on two ethanol plants for electricity support.	\$1,000,000	\$43,000,000	No
08-12-1162	Iowa Wind and Solar	Iowa Wind and Solar LLC	Seeking funding to sell and install commercial solar panels, wind turbines and biomass furnaces.	\$90,000	\$165,000	No
08-12-1163	Iowa Alliance for Wind Innovation and Novel Development (IAWIND)	University of Iowa	Seeking funds to support a wind consortium made up of Iowa Regents, community colleges, and state government.	\$3,000,000	\$4,500,000	Yes if
08-12-1164	Commercial Development of a Solid Catalyst Technology in a Biodiesel Pilot Plant	Catilin, Inc.	Funding would go towards pilot scale development of an identified catalyst beneficial in developing biodiesel.	\$1,500,000	\$2,100,000	Yes
08-12-1165	Biodiesel Education Program	Iowa Biodiesel Board	Seeking funding to educate mechanics at community colleges across Iowa.	\$150,000	\$285,000	Yes if
Total Amount of Projects Reviewed				\$310,653,922	\$998,453,374	